



FILM SCANNER **RX-3**

Operation Manual

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INTRODUCTION

This manual uses the following symbols to indicate important precautions and useful hints on operation.



CAUTION

This indicates necessary precautions on operation.



This indicates hints on operation.

1. No part of this manual may be reproduced without permission.
2. The contents of this manual may be changed without notice in the future.
3. We have been very careful regarding the contents of this manual. However, if you find any ambiguous, erroneous, or missing descriptions, feel free to contact us.

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For the latest information on this application software, refer to the Konica Home Page described below.

Home page address: <http://www.konica.co.jp>

OPERATING ENVIRONMENT

[Operating systems and other requirements]

- Windows™ 95 (OS R2.0 or later)/98/ NT 4.0 (SP3 or later)/2000/XP

The following must also be installed:

ADAPTEC™ 2930 series ASPI Manager (Wnaspi32.dll)

* For details of the ASPI Manager, contact Adaptec.

[Hardware environment]

- CPU: Pentium 166 MHz or later
- Memory: 128MB or more
- Screen display: 800 x 600 pixels or more, with full-color display.
(To use screen display of 800 x 600 pixels, select [Small Font].)
- SCSI: Required
For the SCSI board, however, only confirm operation of the ADAPTEC 2940 series.
- Sufficient space must be available on the hard disk.



CAUTION

Caution !

- To use all software application functions, PhotoShop 5.0 or later is recommended.
- No imaging software is packaged with this software.
- Operation of this application software is not guaranteed under OS and hardware upgraded in the future.

HOW TO START UP APPLICATION SOFTWARE

This application software is compatible with the TWAIN driver which supports Windows 95, 98, NT 4.0, 2000 and XP. (NT 4.0, 2000, and XP require Wnaspi32.DELL.)

For a software application that supports TWAIN like Adobe PhotoShop or PhotoDeluxe, select source data as follows:

<Example>

[File]



[Import]



Select [Konica RX3 Scanner] from [Select Equipment Compatible with TWAIN 32] and click the [Selection] key

Then

[File]



[Import]

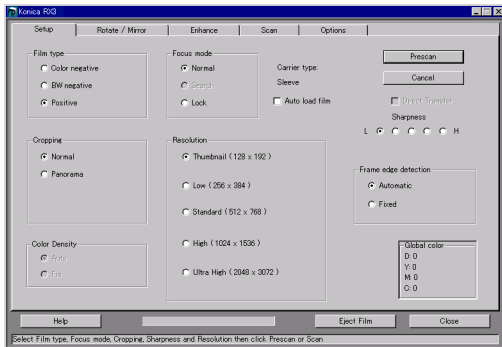


Click [TWAIN 32 · · ·].

- Start up this program as described above. The [Setup Tab] screen then appears for one or two minutes after initialization.

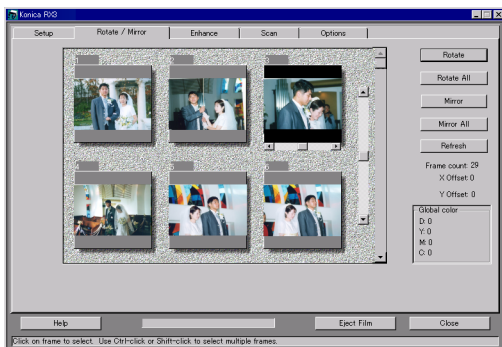
FLOW OF SCANNING OPERATION

The following describes the flow of operation using this program from film prescanning, image adjustment, scanning, to transferring.



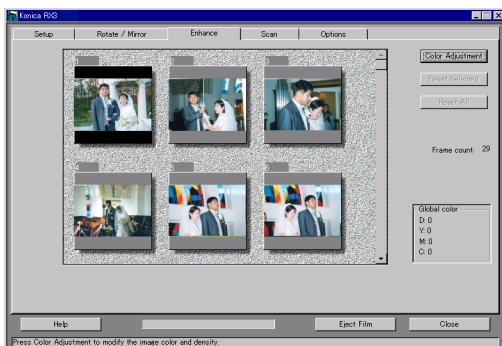
[Setup Tab]

Conditions for scanning are set here.
(For details, see Page 12.)



[Rotate/Mirror Tab]

A prescanned image can be rotated or reversed like an image reflected in a mirror.
(For details, see Page 19.)

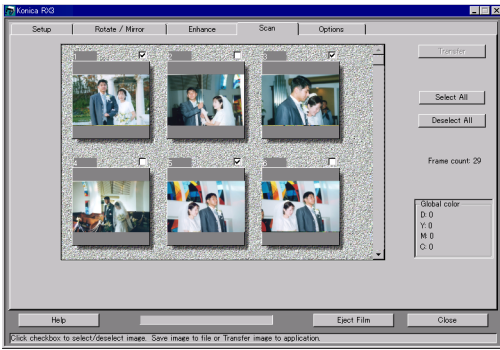


[Enhance Tab]

Used to correct prescanned image color.
(For details, see Page 24.)



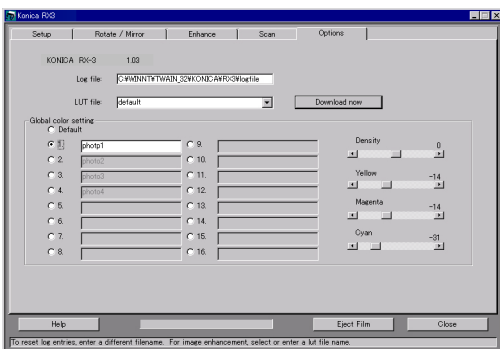
Continued to the next page.



[Scan Tab]

Select the frame to scan and transfer the image selected to a software application that supports TWAIN like PhotoShop.

(For details, see Page 30.)



[Option Tab]

(For details, see Page 34.)



CAUTION

Caution !

The [Option Tab] is used only for special color setting; it is not used under normal circumstances.



CAUTION

Caution !

If an error message appears during operation, see Pages 38 to 39 for error recovery.



CAUTION

Caution !

Perform maintenance (e.g., cleaning inside the carrier) before starting or after completing operation. (Refer to the Hardware Manual for details.)
Do not leave film inside the carrier for a long time. Otherwise, film may be scratched.

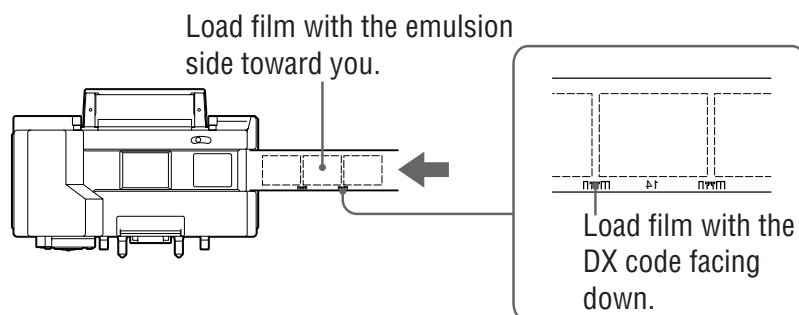
HOW TO LOAD FILM

The following describes how to load each type of film on the film carrier.

• How to load sleeve film

Load sleeve film on the film carrier as shown in the figure below with the film emulsion side facing towards you and DX code facing down.

From three to 36 frames can be captured at once.

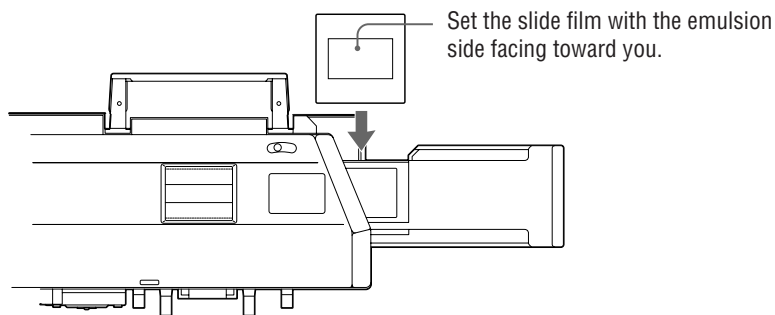


Caution !

Excessively curled film or film with a defective tip or end cannot be properly loaded.

• Loading slide film

Load slide film on the carrier as follows with the slide film emulsion side facing toward you. Then push in the film carrier holder.



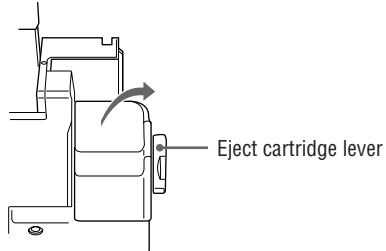
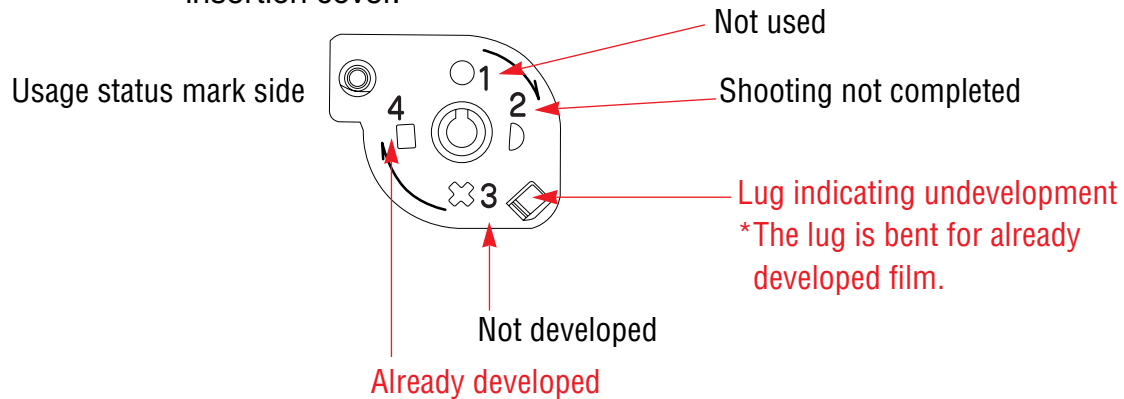
• How to Set APS film cartridge



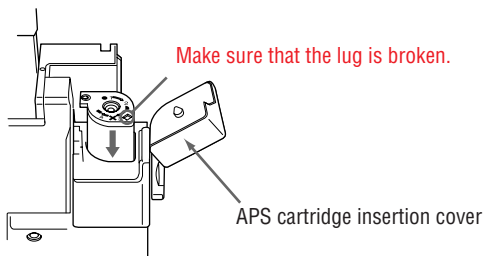
CAUTION

Caution ! Handling APS film cartridge

- Confirm that the exposure cover of the APS cartridge is closed.
- Check the usage status mark of the APS cartridge as shown below and confirm that the **film is already developed**:
- While prescanning or scanning, do not open the carrier or cartridge insertion cover.



Push the eject cartridge film lever to open the cover.



Load the APS cartridge film with the usage status mark facing up.
(Confirm that film has already been developed.)

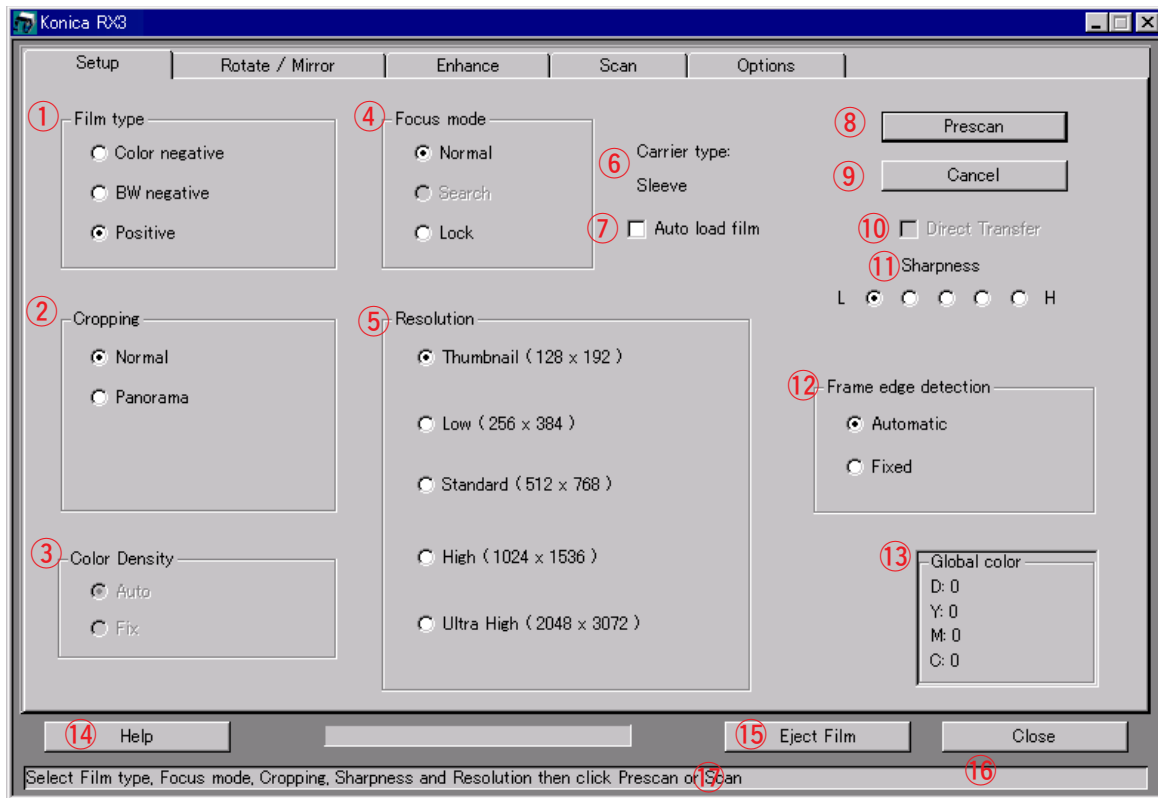
Then close the APS cartridge insertion cover.

EXPLANATION OF [SETUP TAB]

This tab appears immediately after program startup.

This tab displays the conditions to be applied to film scanning.

(Depending on the type of carrier set, items on the screen change automatically.)



The following settings are possible:
(For details, see Page 13 to 18.)

- | | |
|------------------|------------------------|
| ① Film type | ⑩ Direct transfer |
| ② Cropping | ⑪ Sharpness |
| ③ Color density | ⑫ Frame edge detection |
| ④ Focus mode | ⑬ Global color |
| ⑤ Resolution | ⑭ Help button |
| ⑥ Carrier type | ⑮ Eject film button |
| ⑦ Auto load film | ⑯ Close button |
| ⑧ Prescan button | ⑰ Status bar |
| ⑨ Cancel button | |

① Type of film

Select the type of film to be captured by the scanner.

This film scanner is compatible with the following types of film:

- Color negative film
- Monochrome negative film
- Positive film

② Cropping

Delete the black border of mounted positive film or unnecessary part around panoramic-size film from the area to be scanned. The requirements depend on the type of film carrier. As a consequence, the number of pixels of the scanned image differs as listed in the table below. (Select cropping to be set depending on the type of film.)

Type of film	Cropping	Thumbnail	Low	Standard	Resolution	High resolution
135	Normal size	128 x 192	256 x 384	512 x 768	1024 x 1536	2048 x 3072
	Panoramic size	68 x 192	136 x 384	272 x 768	544 x 1536	1088 x 3072
135 slide	Normal size	128 x 192	256 x 384	512 x 768	1024 x 1536	2048 x 3072
	Panoramic size	68 x 176	136 x 352	272 x 704	544 x 1408	1088 x 2816
	APS slide	80 x 144	160 x 288	320 x 576	640 x 1152	1280 x 2304
	Slide	116 x 176	232 x 352	464 x 704	928 x 1408	1856 x 2816
APS	Normal size	108 x 192	256 x 456	512 x 912	1024 x 1824	2048 x 3648
	Panoramic size	68 x 192	160 x 456	320 x 912	640 x 1824	1280 x 3648
	C size	108 x 144	256 x 384	512 x 768	1024 x 1536	2048 x 3072

③ Color density

The following modes are available:

- Auto mode: Automatically corrects color density.
- Fixed mode: Does not correct color density.



Hint !

Use this fixed mode when not intentionally changing photographic conditions, when shooting, or when not continuously changing the background color of such photographs as those taken at school photo.

④ Focus mode

Select focus mode for preview or scanning.

- Normal: Generally set this mode.
- Search: (Effective only for positive film.) Search the location in the frame where image is properly focused. If the image is too dark or difference in contrast is insignificant, select this mode.
- Lock: Focusing is locked under the previous preview conditions. When using the same type of film as before or previewing a frame set in the slide mount, select this mode (provided proper focusing is obtained).

Select the type of film and focus mode depending on the type of film carrier.

(For combinations, see the table below.)

Type of film carrier	Type of film	Focus mode
Sleeve	Color negative	Normal
	Monochrome negative	Normal
	Positive film	Normal
		Lock
Slide	Monochrome negative	Normal
	Positive film	Normal
		Search
		Lock
APS	Color negative	Normal
	Monochrome negative	Normal
	Positive film	Normal
		Lock

⑤ Resolution

The resolution for scanning can be selected.

The resolution to be selected depending on the type of film is listed in the table below.

Film other than APS	APS film
128 x 192 pixels	108 x 192 pixels
256 x 384 pixels	256 x 456 pixels
512 x 768 pixels	512 x 912 pixels
1024 x 1536 pixels	1024 x 1824 pixels
2048 x 3072 pixels	2048 x 3648 pixels

⑥ Type of Carrier

The three types of film carriers can be used.

- Sleeve
- APS carrier
- Slide carrier

*The carrier in use is displayed here.



Cautions !

To replace with a new film carrier, restart the program after quitting the application software.

The film carrier is initialized when starting up the application software.

⑦ Auto load film

Auto Load Film is enabled at the sleeve carrier.

Checkmarking the check box starts auto loading and prescanning without having to click the prescan button. Simply insert the film tip into the film carrier.



Hint !

For a large volume of film to be scanned, you need not click the prescan button to perform effective operation.



CAUTION

Caution !

Leaving the prescanned film in the carrier unattended activates the sensor and restarts prescanning. Therefore, always remove the film or set the next film.

⑧ Prescan button

Click this button to start prescanning.

(When the [Setup Tab] screen appears, the cursor is positioned at this button.

Therefore, clicking the [Enter] key on the keyboard also starts prescanning.)

Select [Direct Transfer] as described in Step ⑩ to display the [Scan] key.

⑨ Cancel button

Click this button to quit scanning.

⑩ Direct transfer

Depending on the system requirements and software application, the number of frames may be limited.

This mode is used to automatically perform prescanning, scanning, and transfer to application software under conditions specified by using the [Setup Tab].

Checkmark this check box to change the [Prescan] button to the [Scan] button.

This is ineffective if the [Set Tab] condition was changed during scanning.

⑪ Sharpness

Sharpness can be changed in five steps.



Caution !

Changing the value of sharpness does not effect screen display during prescanning. Scanning is performed by the value of sharpness selected at scanning. Sharpness is also not reflected on thumbnail images. Default values are reset when restarting the driver software.

⑫ Frame edge detection

This is used to judge the frame position of sleeve film. The following two modes are available:

- **Auto mode:** Automatically identifies the frames.



Caution !

Note that when prescanning high-density positive film, the frame may be out of position or the number of frames not identified (i.e., Fewer of frames may be displayed).

- **Fixed mode:** Detects frame position according to perforation width, starting with the fixed value.

⑬ Global color

These are color and density adjustment values to be applied to all frames. Set global color by using the [Option Tab].

⑭ Help button

This button is used to open the help file on how to operate buttons on the [Setup Tab] screen. This help file contains the same descriptions as in this manual.

⑮ Eject film button

Click this button to remove film from the carrier.

⑩ Close button

Click this button to quit the program. It takes some time to quit this program because the RX-3 condition must be confirmed.

⑪ Status bar

Indicates details of operation necessary for the next step.

During prescanning, a progress bar appears to indicate the operation in progress.



CAUTION

Caution !

When changing a set value by using the [Setup Tab] after prescanning, be sure to restart prescanning.

Explanation of [Rotate/Mirror Tab]

This screen appears after prescanning.

The prescanned image appears.

- For sleeve film or APS carriers, up to six frames of images (three frames x 2 rows) appear on the screen.

To display images after the sixth frame, use the scroll bar to scroll images.

- For the slide carrier, one frame is displayed.



The following functions can be used.

(For details, see Page 20 to 23.)

- | | |
|--------------------------|-----------------------------------|
| ① Select images | ⑨ Offset indication section |
| ② Rotate button | ⑩ Global color |
| ③ Rotate all button | ⑪ Frame scroll bar |
| ④ Mirror button | ⑫ Help button |
| ⑤ Mirror all button | ⑬ Maker name or film name display |
| ⑥ Color refresh button | ⑭ Eject film button |
| ⑦ X/Y offset, scroll bar | ⑮ Close button |
| ⑧ Frame count | ⑯ Status bar |

① Select image button

This button is used to rotate or reverse an image as reflected in a mirror.
Click a thumbnail image to select the function.



Hint !

Clicking images while holding down the [Shift] key selects all frames between those clicked.

To select multiple frames at the same time, click images while holding down the [Shift] key.

Clicking images while holding down the [Control] key selects only the frames specified.

② Rotate button

Click the [Rotate] button to rotate the image selected clockwise by 90 degrees each time.

③ Rotate all button

Click the [Rotate All] button to rotate all images clockwise 90 degrees each time regardless of other selection or rotation instructions.

④ Mirror button

Clicking the [Mirror] button flips an image horizontally like an image reflected in a mirror.

⑤ Mirror all button

Clicking the [Mirror All] button reverses all images horizontally like images reflected in a mirror regardless of selection or rotation.

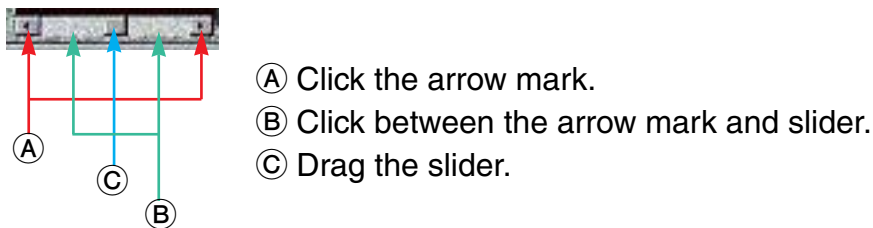
Images are reversed from the existing images, however. Once a frame has been reversed, it cannot be reversed anymore.

⑥ Color refresh button

If the start position is not properly set when prescanning, the image cannot be scanned in the proper colors. After using the ① [X/Y offset] function to adjust position, be sure to click the [Refresh] button. Color hues are then recalculated.

⑦ X/Y offset, scroll bar

If the frame start position is not properly set, each frame can be manually adjusted. The frame can be moved horizontally by following the procedure below.



When the image rotates vertically, the X offset slide bar appears to the right of the frame.



The Y offset slide bar appears to the left of the scroll bar. Operating the Y offset slide bar shifts all frame positions at the same time.

⑧ Frame count

The total number of prescanned frames is displayed.

⑨ Offset indication section

The amount of offset moved appears at the right edge of the screen.

⑩ Global color

These are color and density adjustment values to be applied to all frames.
Use the [Option Tab] for setting.

⑪ Frame scroll bar

Up to six frames are displayed.
Use the scroll bar to display the remaining frame after the sixth frame.

⑫ Help button

The help file about button operations for the [Rotate/Mirror Tab] screen can be opened.
The help file contains the same descriptions as in this manual.

⑬ Film name display

The name of film for which barcode is recorded as the film name is displayed.
This code consists of the maker name and type of film, though only the maker name may be displayed depending on the film.



CAUTION

Caution !

The film name display function is effective only for negative film. The film name is displayed for other than negative film.



CAUTION

Caution !

If the DX code cannot be identified:
The film loading direction may be improper.

⑭ Eject film button

Click this button to remove film from the carrier.

⑮ Close button

Clicking this button quits the program.

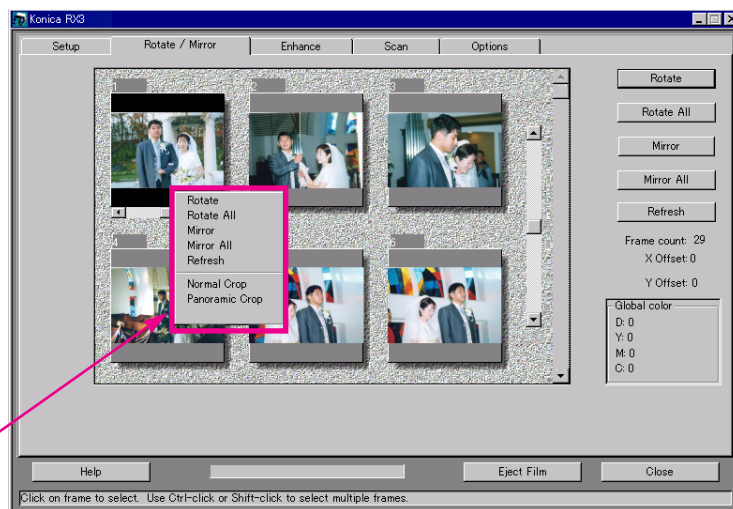
⑯ Status bar

Description about operation necessary for the next step appears.



Hint !

Clicking the right mouse button:

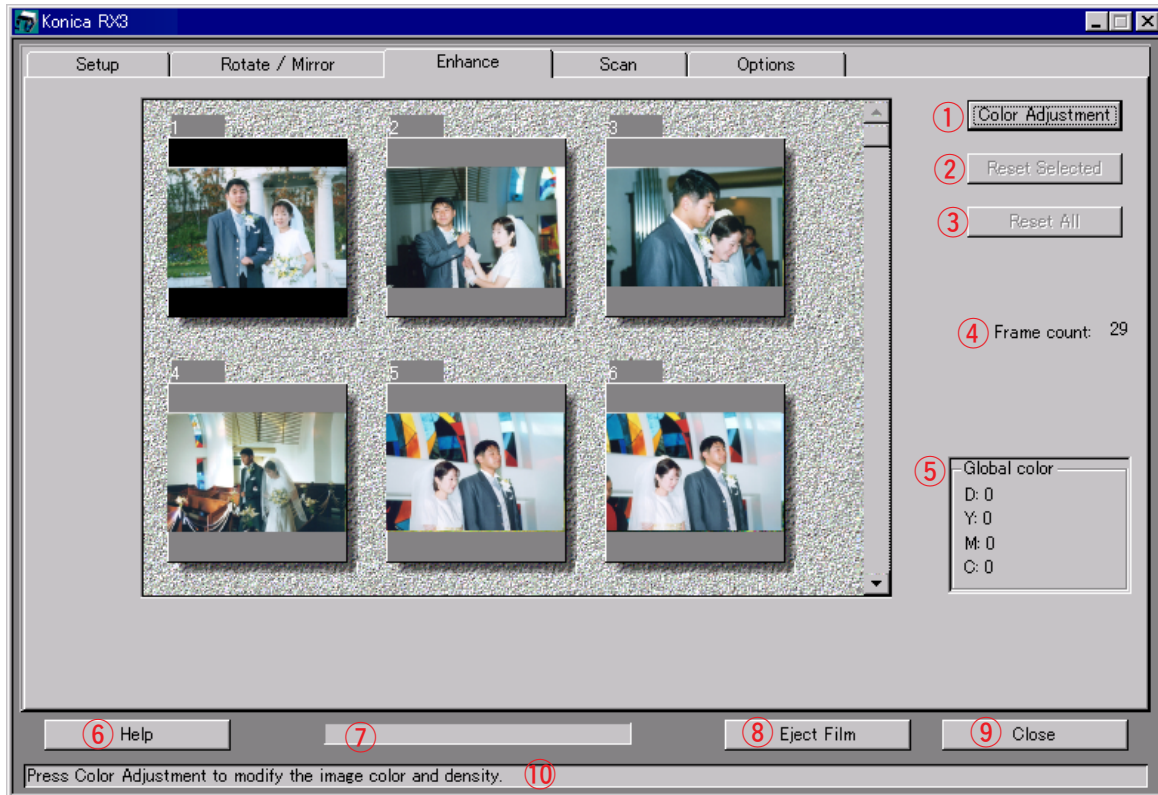


Select the frame and click the right mouse button to display the drop-down menu. The following functions can be performed directly.

- Rotate
 - Rotate All
 - Mirror
 - Mirror All
 - Refresh
-
- Normal Crop
 - Panoramic Crop

Explanation of [Enhance Tab]

Use this tab to adjust the image color to be scanned.

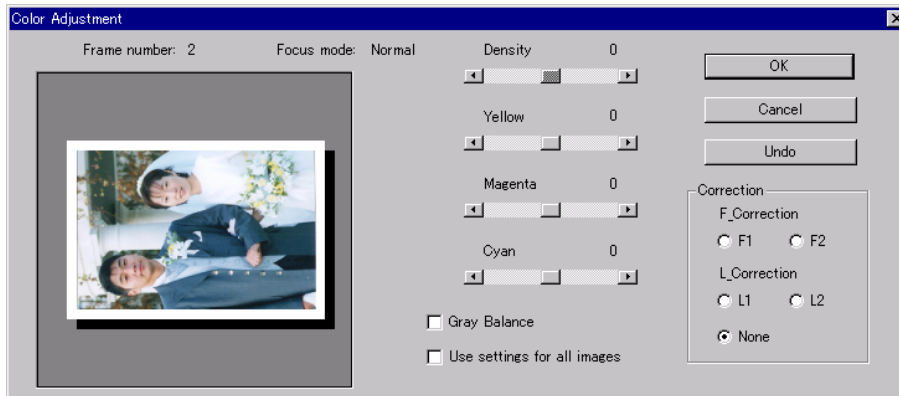


The following functions can be used:
(For details, see Page 25 to 29.)

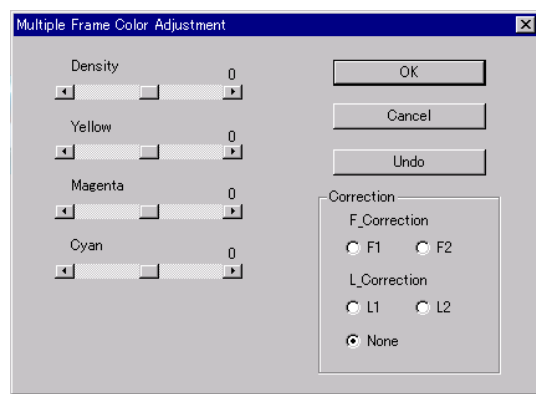
- | | |
|-------------------------------|-----------------------------------|
| ① Color adjustment button | ⑥ Help button |
| ② Reset selected image button | ⑦ Maker name or film name display |
| ③ Reset all button | ⑧ Eject film button |
| ④ Frame count button | ⑨ Close button |
| ⑤ Global color | ⑩ Status bar |

① Color adjustment button

Clicking the [Color Adjustment] button displays the Color Adjustment dialog. When only one frame is selected, the image is enlarged in the dialog.



When multiple frames are selected, the following screen appears.



Use the color adjustment slider or buttons to adjust color.

■ Density adjustment

Moving the density slider adjusts density. The slider is positioned at 0 (center) by default. The slider can move ± 50 with "0" in the center.

The current value of the slider appears at the top right of the bar. Clicking the arrow mark increments or decrements the density in steps of one level. Clicking between the slider and arrow mark increments or decrements the density in steps of ten.

The slider can be dragged to a specified.



Hint !

- The arrow keys can be used to change the values.
- The [Tab] key can be used to change the desired items.
- The [Shift] and [Tab] keys can be used to reverse the order of items to be changed.

■ Color adjustment

There are three types of slide bars used to adjust yellow, magenta, and cyan. The method of operation is the same as for density adjustment.

Color adjustment for monochrome film is not possible.

■ Gray balance

Checkmark the check box, then move the cursor to the selected image. Clicking the desired image part changes its color to gray, with color removed; thus the entire image is adjusted accordingly. Remove the check mark to return the image to its original state.

■ Applied to all images

The value set to adjust a frame is applied to all prescanned frames. Discolored negatives can be quickly adjusted the same way.



Caution !

Position information specifying the gray balance is applied to all frames.

■ Correction

Images created under a different light source and in a different photo shooting location are corrected automatically.

• F correction

Auto correction is made for overexposed and underexposed negatives, as well as for negatives exposed under an artificial light source (e.g. tungsten lamp, fluorescent lamp) featuring images of unbalanced color gradation. (The amount of compensation is increased in order of the Radio, [F1], and [F2] buttons.)

• L correction

This applies to unbalanced negatives. (The amount of compensation is increased in order of the Radio [L1] and [L2] buttons. Selecting [None] voids all correction.)



Caution !

F and L correction are not effective for positive and monochrome film.

■ OK button

Clicking the [OK] button applies color adjustment, gray balance, and correction to the image selected. The [Color Adjustment] dialog is then closed.

■ Cancel button

Clicking this button voids color adjustment, gray balance, and correction. The [Color Adjustment] dialog is then closed.

■ Reset button

Clicking this button voids every adjustment set in the current [Color Adjustment] dialog.

② Reset button for selected images

Clicking this button voids adjustment applied in the previously displayed [Color Adjustment] dialog. This button is effective when selecting color-adjusted frames.

③ Reset button for all images

Clicking this button voids adjustment specified in the [All Color Adjustment] dialog. This button indication changes to [Restore All] when clicked. When [All Restore] is displayed, clicking this button restores the adjustment value applied. Display changes alternately.

④ Frame count

The amount of offset moved appears at the right edge of the screen.

⑤ Global color

These are color and density adjustment values to be applied to all frames.
Use the [Option Tab] for setting.

⑥ Help button

The help file on operation of buttons on the [Enhance Tab] screen can be opened. The file contains the same descriptions as in this manual.

⑦ Film name display

The name of film for which barcode is recorded as the film name is displayed.
This code consists of the maker name and type of film, though only the maker name may be displayed depending on the film.



Caution !

The film name display function is effective only for negative film. The film name is displayed for other than negative film.



Caution !

If the DX code cannot be identified:
The film loading direction may be improper.

⑧ Eject film button

Click this button to remove film from the carrier.

⑨ Close button

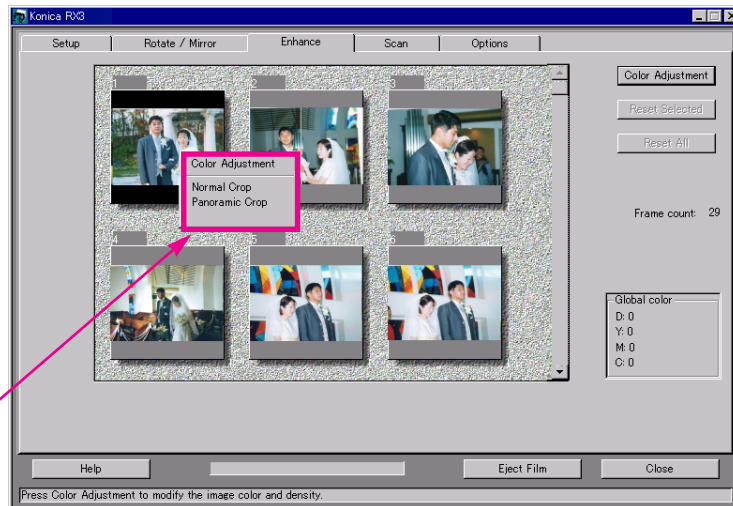
Clicking this button quits the program.

⑩ Status bar

Explanation of operation necessary for the next step is displayed.

**Hint !**

Click the right mouse button:

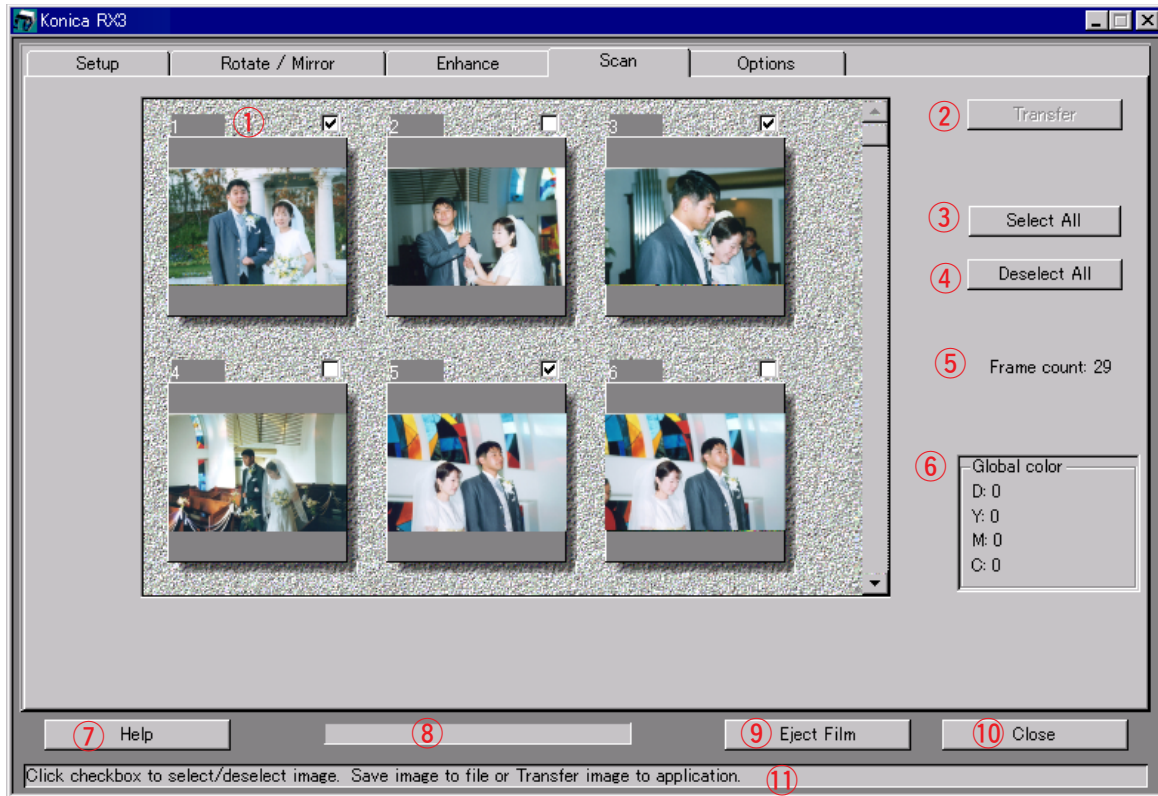


Use the right mouse button to click and select a frame. A drop-down menu then appears. The following functions can be selected:

- Color Adjustment
- Normal Crop
- Panoramic Crop

EXPLANATION OF [SCAN TAB]

This tab selects, scans, and saves the image to be scanned.



The following functions can be used.
(For details, see Page 31 to 33.)

- | | |
|-----------------------|-----------------------------------|
| ① Scan check box | ⑦ Help button |
| ② Transfer button | ⑧ Maker name or film name display |
| ③ Select all button | ⑨ Eject film button |
| ④ Deselect all button | ⑩ Close button |
| ⑤ Frame count | ⑪ Status bar |
| ⑥ Global color | |

① Scan check box

The check box is located at top right of the displayed frame.

Checkmark the check box to scan the frame. To checkmark the check box, click on the frame or check box. Clicking again cancels the selection.



Hint !

The scan box for which adjustment was intentionally made by using [Rotate/Mirror] and [Enhance Tab] are checkmarked beforehand.

If you return to such tabs as [Set Tab] and [Rotate/Mirror Tab], a checkmark may disappear. Confirm the checkmark on this screen.

When the slide carrier was previously used, the check box is always marked.

② Transfer button

Click this button to scan the marked frame, The image is then displayed on the original image processing application.



Caution !

Multiple frames may not be transferred depending on the software applications. In case of insufficient memory and hard disk space on your PC, images may not be continuously transferred.

③ Select all button

Click this button to checkmark all frames.

④ Cancel all button

Checkmarks on all frames disappear, then click this button to deselect all frame selection.

⑤ Frame count

Indicates the total number of prescanned frames.

⑥ Global color

These are color and density adjustment values to be applied to all frames.
Use the [Option Tab] for setting.

⑦ Help button

The help file on operation of buttons on the [Scan Tab] screen can be opened.
The file contains the same descriptions as those in this manual.

⑧ Film name display

The name of film for which barcode is recorded as the film name is displayed.
This code consists of the maker name and type of film, though only the maker name may be displayed depending on the film.



Caution !

The film name display function is effective only for negative film. The film name is displayed for other than negative film.



Caution !

If the DX code cannot be identified:
The film loading direction may be improper.

⑨ Eject film button

Click this button to remove film from the carrier.

⑩ Close button

Click this button to quit the program.

⑪ Status bar

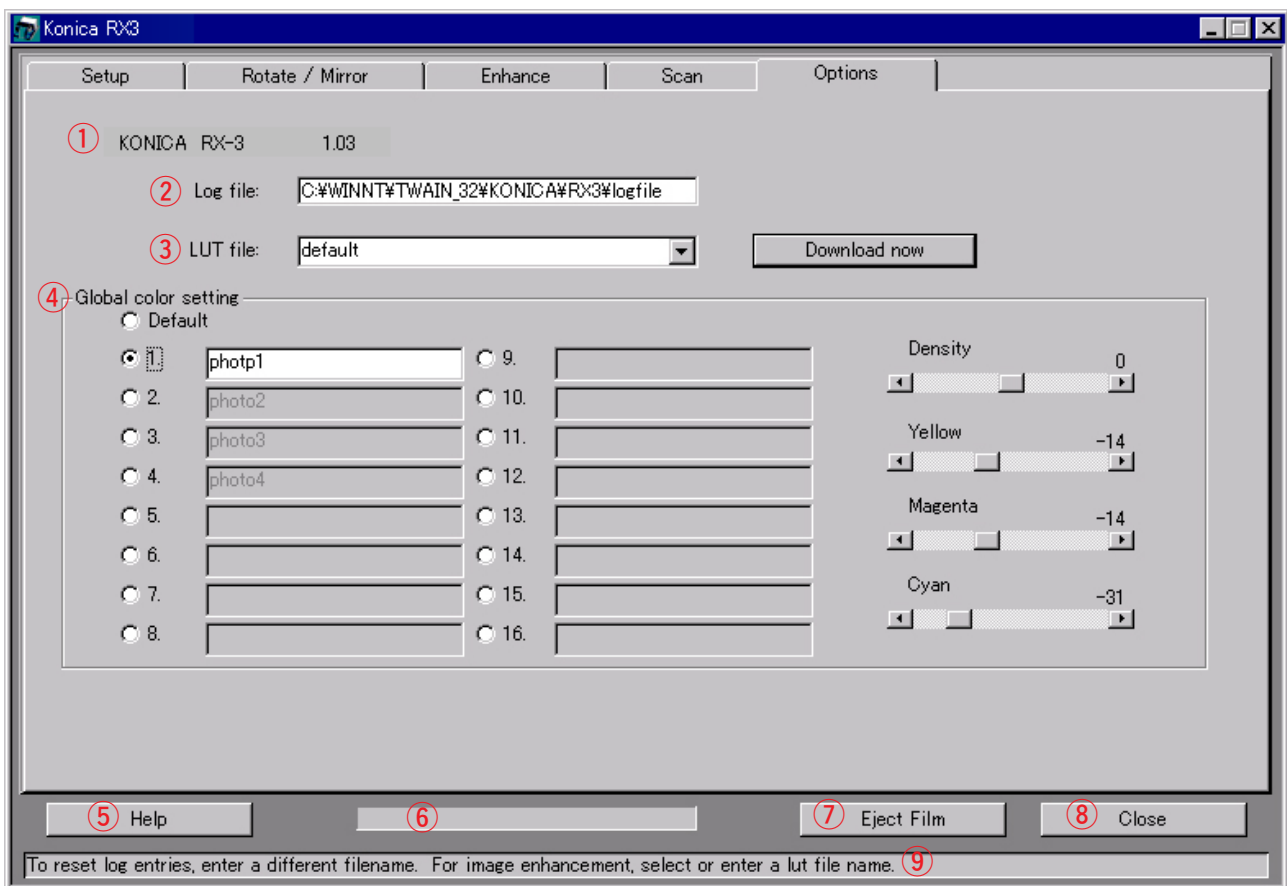
Indicates operation necessary for the next step.

EXPLANATION OF [OPTION TAB]



Caution !

The [Option Tab] is used only for special color setting; it is not used under normal circumstances.



The following functions can be used.
(For details, see Page 35 to 37.)

- | | |
|------------------------|-----------------------------------|
| ① Version indication | ⑥ Maker name or film name display |
| ② Log file | ⑦ Eject film button |
| ③ LUT download | ⑧ Close button |
| ④ Global color setting | ⑨ Status bar |
| ⑤ Help button | |

① Version indication

The RX-3 firmware version number is indicated.

② Log file

The log file is stored on hard disk. The number of scanned frames is recorded by carrier type.

③ LUT download

Enter the LUT file name in the box and click the download button to download the file to the RX-3 from the PC side. Once the file is downloaded, this LUT is used from then on.



Hint !

To return to the original LUT, click the arrow mark on the right side of the box to select the default LUT. Then click the download button again or restart the driver.

④ Global color setting

For global color setting, up to 16 color settings (other than default) can be registered and selected.

To repeatedly use the adjustment value obtained by using the [Enhance tab], enter the value here. The value can be used as a prescan color setting.

This value is registered in the Windows system.

Colors are internally set in the table and the set values are registered.

No.	Name	D	Y	M	C	
0	Default	0	0	0	0	fixed
1 to 16	Free	-50/+50	-50/+50	-50/+50	-50/+50	Variable



Hint !

The name can be arbitrarily changed.

The names selected here are reflected in the [Global Color] settings at the lower right of each [Rotate/Mirror Tab], [Enhance Tab], and [Scan Tab] screen, and changes can be confirmed.

The global color of the [Option Tab] immediately reflects the setting value displayed.

After setting, the global color becomes effective from the next prescanning.

⑤ Help button

The help file on operation of buttons on the [Option Tab] screen can be opened.
The file contains the same descriptions as those in this manual.

⑥ Film name display

The name of film for which barcode is recorded as the film name is displayed.
This code consists of the maker name and type of film, though only the maker name may be displayed depending on the film.



Caution !

The film name display function is effective only for negative film. The film name is displayed for other than negative film.



Caution !

If the DX code cannot be identified:
The film loading direction may be improper.

⑦ Eject film button

Click this button to remove film from the carrier.

⑧ Close button

Click this button to quit the program.

⑨ Status bar

Indicates operation necessary for the next step appears.

LIST OF ERROR MESSAGES

• At system startup	
Error message	Contents of message and corrective action
Konica RX-3 Scanner is Already in use	This message appears when rebooting the system. Click [OK] to quit the system and restart from the beginning.
Unable to connect with the scanner. Please make sure the scanner is connected and power on.	The RX-3 is not connected to the PC. Otherwise, the power supply is turned off or SCSI is not properly identified. Check for RX-3 connection or power supply. Confirm whether SCSI is properly identified, then reboot the PC.
Please install carrier to continue .	The RX-3 application software was restarted, but the film carrier has not been set. Set the carrier for re-execution.
The scanner cover is open. Please install cover to continue.	The RX-3 lamp cover or carrier cover is open or out of place. At this time the alarm lamp of the scanner goes on. Confirm that properly setting the alarm cover turns off the alarm. Then restart operation.
The scanner lamp has failed. Please replace the scanner lamp to continue.	Be sure to replace the scanner lamp to continue operation. The scanner lamp is not set or burned out. Set the lamp properly to restart operation. (Refer to the Hardware Manual for how to replace the lamp.)
Please remove slide from carrier. Please make sure slide mechanism is positioned in the carrier. Press Retry to continue or Cancel to abort.	This message appears when booting the driver with film inserted in the slide carrier. Eject film to restart operation.
Please remove film from the carrier. Press Retry to continue or Cancel abort.	Press [Retry] to continue operation or the [Cancel Button] to quit operation. This message appears when booting the driver with film inserted while using the film sleeve carrier. Eject film and restart operation. CAUTION <i>Caution !</i> Press the [Film Removal] button to discharge film remaining in the carrier during operation or remove the carrier once, then reset it to initialize the film setting to discharge film.

• At prescanning	
Error message	Contents of message and corrective action
The scanner is unable to read the film DX code. Please make sure the film is inserted into the carrier. With the last frame number first. Please make sure the film is not upside down. Press retry to reinsert film and prescan again. Press Cancel to cancel prescan. Press Ignore to continue with prescan images.	The direction in which film is inserted is wrong (upside down). Positive film was read for settings for negative film. Otherwise, there is no DX code on the film. Change the film insertion direction and restart reading. In other cases, simply click [Ignore] to continue operation.
Film Feed Error.	The film is read improperly. According to the message on the screen, remove film from the cartridge, then repeat prescanning.
If the sleeve, slide or carrier changer is installed, Please remove film from the carrier. If the Aps carrier is installed, Please do the following steps. 1. Close the RX-3 scanner application. 2. Power off the scanner. 3. Power on the scanner. 4. Start the RX-3 scanner application. Caution: Please do not attempt to rewind film into the APS cartridge by hand. Doing this will break the shaft inside the APSCarrier.	The film is read improperly. Remove film to inspect the film tip. Also check whether film is curled in the middle or the film carrier is stained inside, then capture the image again. (For the details of how to inspect film or the carrier, refer to the Hardware Manual.)

Other

Failure due to operating environment:

Using this software application in an environment not meeting the requirements described on page 6 may slow screen display or cause flashing.

• Attached application software

Refer to the [Image Processing Software Instruction Manual] in the software CD for details on how to use [Image Processing Software].

Konica

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